



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **08298345 A**(43) Date of publication of application: **12.11.96**

(51) Int. Cl.

H01L 33/00(21) Application number: **07102050**(22) Date of filing: **26.04.95**(71) Applicant: **SHICHIZUN DENSHI:KK**(72) Inventor: **ONIKIRI AKIRA
FUKAZAWA KOICHI****(54) CHIP TYPE LIGHT EMITTING DIODE****(57) Abstract:**

PURPOSE: To realize a thin chip type light emitting diode while mechanical and thermal reliability necessary for a chip type light emitting diode is ensured.

CONSTITUTION: A pair of electrodes 23, 24 are formed on the upper surface of an insulating substrate 22. A light emitting diode element 27 is mounted on the surface of one electrode 23. The light emitting diode element 27 is wire-bonded to the surface of the other electrode 24 by using a thin metal wire 28. The light emitting diode element 27 and the thin metal wire 28 are sealed with transparent resin 29. A part of each of the backs of a pair of the electrodes 23, 24 is exposed from an insulating substrate 22. The exposed surfaces are made outer connection terminals 25, 26 of the electrodes 23, 24. Hence a thinned chip type light emitting diode as compared with prior art ones can be realized.

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